

Message Text

LIMITED OFFICIAL USE

PAGE 01 IAEA V 00493 210950Z

ACTION IO-13

INFO OCT-01 ISO-00 EUR-12 EA-07 FEA-01 ACDA-07 CIAE-00
INR-07 L-03 NSAE-00 NSC-05 EB-07 OES-06 DODE-00 /069 W
-----211000Z 125369 /10

R 210844Z JAN 77

FM USMISSION IAEA VIENNA
TO SECSTATE WASHDC 8553
INFO USERDA HQ WASHDC
USERDA HQ GERMANTOWN

LIMITED OFFICIAL USE IAEA VIENNA 0493

PASS IO/SCT

E.O. 11652: N/A

TAGS: IAEA, PARM, TECH

SUBJECT: IAEA SAFEGUARDS FOR CHEMICAL REPROCESSING PLANTS

1. A. VON BAECKMAN, DIRECTOR, SAFEGUARDS DEVELOPMENT, IAEA, HAS INFORMALLY AND UNOFFICIALLY TOLD MISOFF THAT IAEA IS PLANNING TO COORDINATE AMONG INTERESTED COUNTRIES A RESEARCH PROGRAM ON USE OF INSTALLED INSTRUMENTATION IN NUCLEAR FUEL REPROCESSING FACILITIES FOR SAFEGUARDS PURPOSES. LETTERS INITIATING PROGRAM WOULD BE SENT OUT EARLY FEBRUARY. HE WONDERED IF USG WOULD BE OPPOSED TO SUCH A MOVE BY IAEA, IN VIEW OF WHAT APPEARED TO HIM TO BE STRONG US CONCERN ABOUT INTERNATIONAL ACTIVITIES IN FIELD OF ECHMICAL REPROCESSING.

2. PLANNED COORDINATED RESEARCH PROGRAM (CRP) WOULD FOLLOW THROUGH WITH WORK OF AGENCY'S CONSULTANTS MEETING ON THIS SUBJECT LAST MAY 10-14 WHICH WAS ATTENDED BY GARY MOLEN, GLENN HAMMOND AND JOERG MENZEL OF USA.

3. GOALS OF CRP WOULD BE:

LIMITED OFFICIAL USE

LIMITED OFFICIAL USE

PAGE 02 IAEA V 00493 210950Z

A. TO PROVIDE INTERNATIONAL FORUM WHICH WILL KEEP SAFEGUARDS AUTHORITIES, OPERATORS AND DESIGNERS OF FUEL REPROCESSING FACILITIES INFORMED ON NEW MEASUREMENTS TECHNOLOGY AND EXPERIENCE IN USE OF INSTALLED INSTRUMENTATION FOR SAFEGUARDS PURPOSES; AND

B. TO MAKE AVAILABLE FOR INSTALLATION AT

REPROCESSING FACILITIES INSTRUMENTAL TECHNIQUES FOR
DETERMINATION OF NUCLEAR MATERIAL QUANTITIES AND FOR
SURVEILLANCE OF NUCLEAR MATERIAL BY:

(1) DEMONSTRATION OF AND ACQUIRING EXPERIENCE
WITH CERTAIN DEVELOPED INSTRUMENTAL TECHNIQUES IN
OPERATING REPROCESSING FACILITIES;

(2) DEVELOPING AND TESTING SELECTED TECHNIQUES; AND

(3) OPTIMIZING FOR SAFEGUARDS USE CERTAIN
DEVELOPED AND/OR DEMONSTRATED INSTRUMENTAL TECHNIQUES.

4. THE AGENCY IS HOPING THAT AS RESULT OF THIS PROGRAM,
DESIGNERS AND BUILDERS OF SPENT FUEL REPROCESSING PLANTS
WOULD MAKE PROVISIONS IN THEIR PLANTS TO PERMIT MORE
EFFECTIVE MEASUREMENT AND CONTROL OF NUCLEAR MATERIAL
IN THE PLANTS. ALSO, SOME TECHNIQUES AND DEVICES MIGHT
BE DEVELOPED IN CRP WHICH COULD BE USED AND INSTALLED IN
EXISTING PLANTS. THIS WOULD ASSIST IAEA IN ITS JOB OF
IMPLEMENTING EFFECTIVE SAFEGUARDS IN SUCH PLANTS.

5. AGENCY WOULD ACCOMPLISH THIS COORDINATION BY
CONCLUDING A NUMBER OF RESEARCH AGREEMENTS OR RESEARCH
CONTRACTS WITH SELECTED REPROCESSING FACILITIES.
UNDER AN AGENCY RESEARCH AGREEMENT, WHICH WOULD MAKE NO
PROVISION FOR FINANCIAL SUPPORT FROM IAEA, EACH FACILITY
WOULD AGREE TO PROVIDE ONE REPORT PER YEAR ON WORK
RELATED TO PROGRAM. THESE AGREEMENTS WOULD COVER A
LIMITED OFFICIAL USE

LIMITED OFFICIAL USE

PAGE 03 IAEA V 00493 210950Z

PERIOD OF ONE YEAR AND WOULD BE SUBJECT TO RENEWAL.
WITH RESPECT TO REPORTS TO BE PROVIDED, IT WOULD, OF
COURSE, BE UNDERSTOOD THAT AUTHOR(S) WOULD BE GIVEN FULL
CREDIT, THAT THE INFORMATION PROVIDED COULD BE MADE
FREELY AVAILABLE THROUGHOUT THE WORLD, AND THAT THE
REPORT MAY BE IN FORM OF A REPRINT, PREPRINT, OR OF A
REPORT PREPARED FOR OTHER PURPOSES. IN RETURN FOR THIS,
EACH FACILITY WOULD PARTICIPATE IN ALL EXCHANGES OF
INFORMATION BETWEEN PARTICIPANTS IN PROGRAM. IT IS ALSO
INTENDED TO INVITE CHIEF SCIENTIFIC INVESTIGATOR FROM
EACH FACILITY, AT AGENCY EXPENSE, TO ATTEND ONE OR MORE
GROUP MEETINGS WHICH ARE EXPECTED TO TAKE PLACE AT
APPROPRIATE INTERVALS.

6. VON BAECKMAN DOES NOT EXPECT THAT SIGNIFICANT
REPROCESSING TECHNOLOGY, BEYOND WHAT IS ALREADY IN OPEN
LITERATURE, WOULD BECOME AVAILABLE IN
EXCHANGES WHICH WOULD GO ON IN THIS CRP. THE
INFORMATION WOULD BE RELATED ONLY TO CONTROL OF NUCLEAR

MATERIAL IN SUCH PLANTS. AS NOTED IN PARA 5, ALL REPORTS OF PARTICIPANTS WOULD BE AVAILABLE TO IAEA AND THE OTHER PARTICIPANTS. CURRENTLY AGENCY IS CONSIDERING INVITING US, UK, FRG, JAPAN, USSR, FRANCE, BELGIUM, AND POSSIBLY ITALY.

7. MISSION COMMENT: THIS CRP HAS BEEN IN PLANNING FOR ABOUT ONE YEAR. THIS UNOFFICIAL APPROACH TO USG BY VON BAECKMAN (FRG) MAY BE A TESTING OF HOW FAR USG WISHES TO GO IN DISCOURAGING CHEMICAL REPROCESSING ACTIVITIES. HE ALSO WOULD LIKE TO BE SAVED PROBLEMS INHERENT IN USG OPPOSITION TO AN ANNOUNCED IAEA CRP. MISSION DOES NOT FEEL TECHNOLOGY MADE AVAILABLE THRU PROPOSED CRP WOULD REPRESENT SIGNIFICANT SPREAD OF SENSITIVE REPROCESSING TECHNOLOGY. RESULTS COULD BE OF BENEFIT TO AGENCY SAFEGUARDS PROGRAM. IDEA IS CONSISTENT WITH OBJECTIVE OF DESIGNING NUCLEAR LIMITED OFFICIAL USE

LIMITED OFFICIAL USE

PAGE 04 IAEA V 00493 210950Z

FACILITIES TO BE MORE SAFEGUARDABLE. THEREFORE, MISSION RECOMMENDS USG NOT OPPOSE THIS CRP.STONE

LIMITED OFFICIAL USE

NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: RESEARCH, INTERGOVERNMENTAL COOPERATION, NUCLEAR SAFEGUARDS, NUCLEAR FUELS
Control Number: n/a
Copy: SINGLE
Sent Date: 21-Jan-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 22 May 2009
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1977IAEAV00493
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
Film Number: D770022-0940
Format: TEL
From: IAEA VIENNA
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1977/newtext/t19770130/aaaabajy.tel
Line Count: 141
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: 620d61d3-c288-dd11-92da-001cc4696bcc
Office: ACTION IO
Original Classification: LIMITED OFFICIAL USE
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 3
Previous Channel Indicators: n/a
Previous Classification: LIMITED OFFICIAL USE
Previous Handling Restrictions: n/a
Reference: n/a
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 17-Nov-2004 12:00:00 am
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 3540975
Secure: OPEN
Status: NATIVE
Subject: IAEA SAFEGUARDS FOR CHEMICAL REPROCESSING PLANTS
TAGS: PARM, TECH, IAEA
To: STATE
Type: TE
vdkgvwkey: odb://SAS/SAS.dbo.SAS_Docs/620d61d3-c288-dd11-92da-001cc4696bcc
Review Markings:
Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
22 May 2009
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009